



NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES
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NATIONAL MICROBIOLOGICAL INSTITUTE
NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND BLINDNESS
THE CLINICAL CENTER
DIVISION OF RESEARCH GRANTS

Dec 22, 1956

Dear Joshua,

I have been occupied with too much writing lately - hence my long silence. It is really more fun to write you than being bogged down with routine letters & manuscripts. - I shall send a copy of my manuscript for semi-annual report.

I planned a simple experiment on K_{12} mutants. Is galactose added on top of glucose and amino acids (or ammonia) toxic to the β -galactosidase-less mutants - like it is to the corresponding mutants in man? Kura-hachi, Wabba tried it and it works strikingly. The wild type of the K_{12} -less (or permease-less?) mutants grow happily regardless of an extra add. of galactose the β -galactosidase-less grow much slower (generation time 6-7 times longer than β -galactose). We are in the process of writing it up for publication. It offers a new simplified way for surveying gal mutants acc. to blocks (prior or post gal phosphorylation). I am particularly interested in the influence on the λ yield after UV irradiation. Does gal add. suppress phage synthesis more or less than that of the growth of the host?

Since Barbara expects in April to travel to Birmingham. I might postpone a visit to you till the fall. However, there is no definite date of course not all set. Best wishes for James & Mary Ann for the holidays & you & sister. Sincerely, Herman